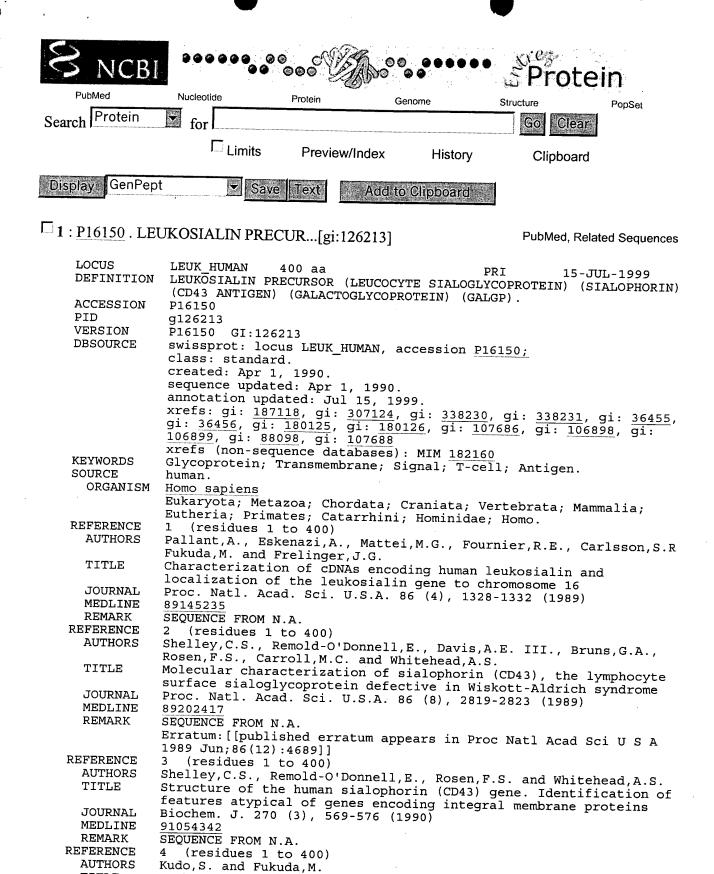
TITLE

JOURNAL



J. Biol. Chem. 266 (13), 8483-8489 (1991)

leukosialin, a major sialoglycoprotein on leukocytes

A short, novel promoter sequence confers the expression of human

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91217090
  MEDLINE
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             SEQUENCE FROM N.A.
REFERENCE
                (residues 1 to 400)
            SCHMID, K., HEDIGER, M.A., BROSSMER, R., COLLINS, J.H., HAUPT, H.,
            MARTI, T., OFFNER, G.D., SCHALLER, J., TAKAGAKI, K., WALSH, M.T.,
             SCHWICK, H.G., ROSE, F.S. and REMOLD-O'DONNELL, E.
            Amino acid sequence of human plasma galactoglycoprotein: identity
  TITLE
            with the extracellular region of CD43 (sialophorin)
  JOURNAL
             Proc. Natl. Acad. Sci. U.S.A. 89 (2), 663-667 (1992)
  MEDLINE
             92115721
            PARTIAL SEQUENCE OF 20-245, AND CARBOHYDRATE-BINDING SITES.
  REMARK
COMMENT
            This SWISS-PROT entry is copyright. It is produced through a
            collaboration between the Swiss Institute of Bioinformatics and
            the EMBL outstation - the European Bioinformatics Institute.
            The original entry is available from http://www.expasy.ch/sprot
            and http://www.ebi.ac.uk/sprot
            [FUNCTION] ONE OF THE MAJOR GLYCOPROTEINS OF THYMOCYTES AND T
            LYMPHOCYTES. PLAYS A ROLE IN THE PHYSICOCHEMICAL PROPERTIES OF TH
            T-CELL SURFACE AND IN LECTIN BINDING. PRESENTS CARBOHYDRATE LIGAN
            TO SELECTINS. HAS AN EXTENDED RODLIKE STRUCTURE THAT COULD PROTRU
            ABOVE THE GLYCOCALYX OF THE CELL AND ALLOW MULTIPLE GLYCAN CHAINS
            TO BE ACCESSIBLE FOR BINDING.
            [SUBCELLULAR LOCATION] TYPE I MEMBRANE PROTEIN.
            [TISSUE SPECIFICITY] CELL SURFACE OF THYMOCYTES, T LYMPHOCYTES,
            NEUTROPHILS, PLASMA CELLS AND MYELOMAS.
            [PTM] HAS A HIGH CONTENT OF SIALIC ACID AND O-LINKED CARBOHYDRATE
            STRUCTURES.
            [DISEASE] CD43 EXPRESSION IS DEFECTIVE ON THE T-CELLS OF MALES WI
            THE IMMUNODEFICIENCY WISKOTT-ALDRICH SYNDROME. AFFECTED MALES ARE
            SUSCEPTIBLE TO OPPORTUNISTIC INFECTIONS AND DO NOT RESPOND TO
            POLYSACCHARIDE ANTIGENS, REFLECTING DEFECTS IN CYTOTOXIC AND HELP
            T-CELL FUNCTIONS.
            [DATABASE] NAME=PROW; NOTE=CD guide CD43 entry;
            WWW='http://www.ncbi.nlm.nih.gov/prow/cd/cd43.htm'.
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• Entrez-Protein Page 3 of 4

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Revised: January 10, 2000.

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